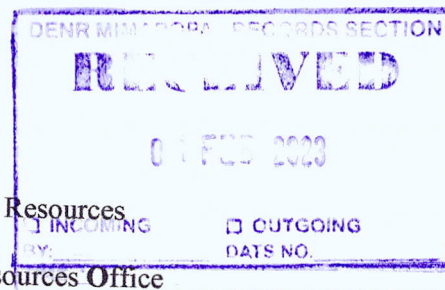




Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
Provincial Environment and Natural Resources Office



January 24, 2023

MEMORANDUM

FOR : **The Regional Executive Director
DENR MIMAROPA**

THRU : **The ARD for Technical Services**

FROM : **The OIC PENR Officer
Oriental Mindoro**

SUBJECT **MONITORING REPORT ON THE WATERSHED INSTRUMENTS
INSTALLED WITHIN MAG-ASAWANG TUBIG AND
BONGABONG RIVER WATERSHEDS FOR THE MONTH OF
JANUARY CY 2023**

This refers to the five (5) watershed instruments installed within the two (2) major Watersheds within the province, Mag-Asawang Tubig River Watershed and Bongabong River Watershed.

For this month, this Office focused on the orientation and site familiarization of the new personnel assigned in said activity. Likewise, monitoring of the condition of each instruments were conducted, to wit:

Location	Watershed Instrument	Remarks
1. So. Abaton, Bgy. Parang, calapan City	Automated Waterlevel Monitoring Station	No readings Simcard for registration Battery for replacement
2. Macatoc Elem. School – Bgy Macatoc, Victoria, Or. Mdo.	Automated Weather Station	No readings since January 15, 2023 End of subscription
3. DA-ORMAES, Bgy Alcate, Victoria	Automated Weather Station	No readings since January 15, 2023 End of subscription

4. MINSU Bgy. Alcate, Victoria	Groundwater Monitoring Station	Subscription is until September 24, 2023 With readings
5. Hagan, Bongabong	Automated Weather Station	No readings since January 15, 2023 End of subscription

Based on the results of the monitoring, only one (1) instrument has data while the remaining four (4) instruments have no data for this period. Coordination with Philinstruments, the service provider of these instruments, was done to address the issue on subscription of said instruments.

Attached is the photo-documentation of the monitoring of watershed instruments.

For information, record and reference.

ALAN L. VALLE





With the CENR Officer of Roxas, CENRO Caesar E. Quebec as the team rendered a courtesy call to introduce Engr. Jackson Bellen, the newly hired *Database Management Information Technology Specialist*.



The CDS Chief Ms. Amor D. Asi updating with the CENRO Roxas personnel on the upcoming activities of the Conservation and Development Section and the conduct of the regular monitoring of watershed instruments.



The team preparing to climb the CENRO facility where Automated Weather Station is installed.



The Team made a stopover in the CENRO facility just midway from the road to the AWS instrument location to prepare some materials for the monitoring activity.



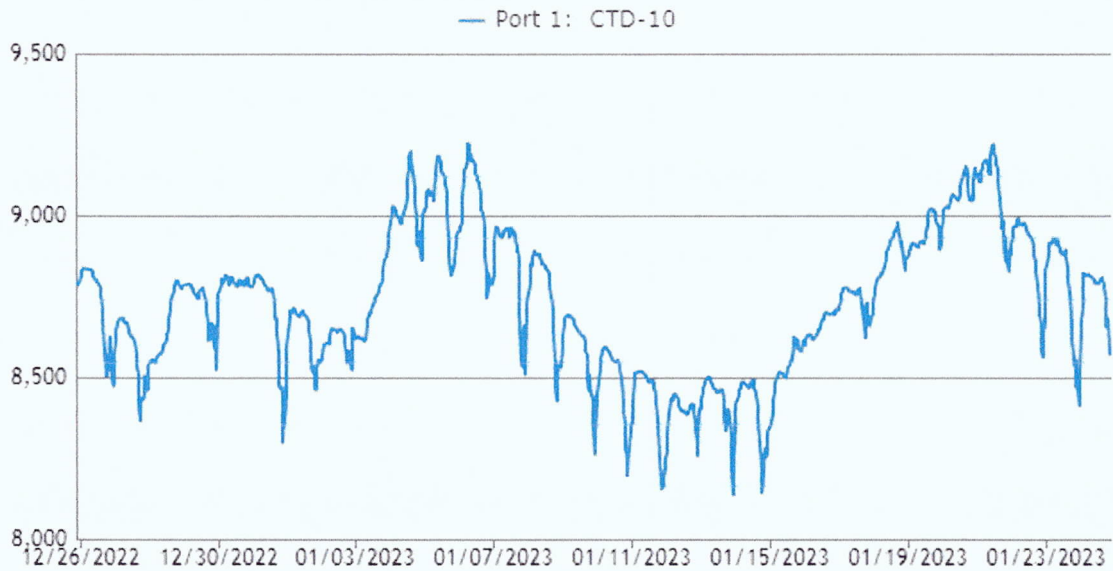
Orientation and familiarization of the installed instruments conducted by Forester Joel D. Morillo, Forester II to the newly hired personnel, Engr. Jackson Bellen.



The team monitored the Abaton Automated Water Level Monitoring Station to its physical condition. No data were gathered due to the malfunctioning of the battery. Likewise, the SIM card is for registration.

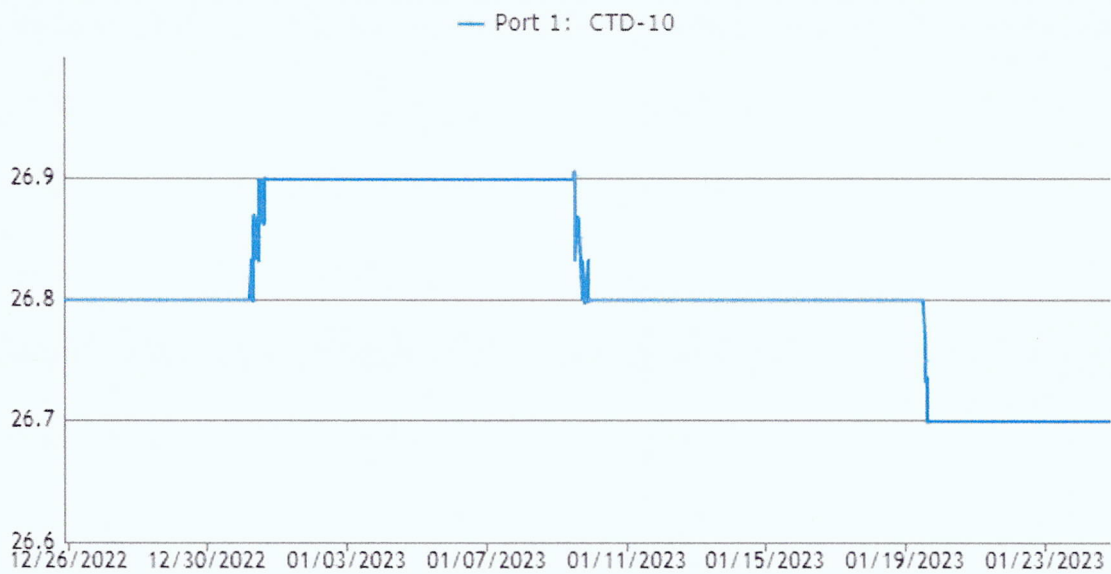
These are the charts generated from the CTD (conductivity, temperature and depth) installed in MinSU compound, Alcate, Victoria, Oriental Mindoro extracted from the Zentra Cloud.

Water Level (mm)



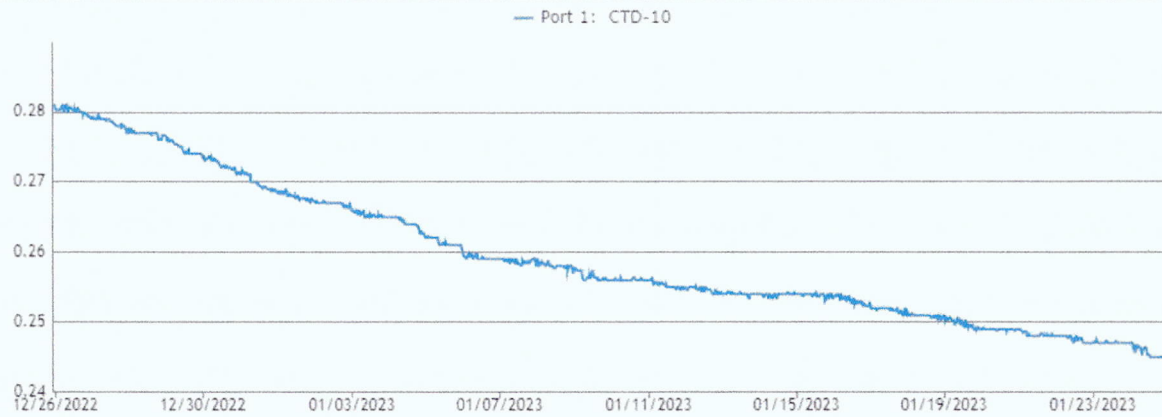
The groundwater level in the station has a maximum reading of 9231mm above the CTS sensor and minimum of 8124mm with, monthly average depth of 8735.6mm

Water Temperature (°C)



The groundwater temperature in the station has only 0.2 °C in variation from 26.9 °C to 26.7 °C.

Electrical Conductivity (mS/cm)



The Electrical Conductivity (EC) of the groundwater in the station has a downward trend. It is due to the rainfall in the month of January and the corresponding groundwater recharge. The recharge also brought groundwater flow in the downstream. Thereby, reducing the groundwater salinity in the station.